Internet Printing Protocol Meeting Minutes August 29, 2024

Meeting was called to order at 3:00pm ET.

Attendees

Charles Armstrong (Canon)
Smith Kennedy (HP)
Jeremy Leber (Lexmark)
Ira McDonald (High North)
Anthony Suarez (Kyocera)
Mike Sweet (Lakeside Robotics)
Uli Wehner (Ricoh)

Agenda Items

- 1. PWG IP policy, minute taker, administrivia
- 2. Review IPP minutes from previous meetings:
 - https://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-concall-minutes-20240801.pdf
 - Approved as posted
 - https://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-f2f-minutes-20240806.pdf
 - Approved as posted
 - Mike: Working on modernizing/normalizing test files for IPP/2.x
 - Smith: I can help
 - Mike: For the 5100.13 and later specs, sure
 - Smith: What about validation of PNG and .strings file content?
 - Mike: Some stuff has been added to ipptool for that, will contact Smith offline to make sure everything is covered
 - Action: Mike to work with Smith to ensure PNG and .strings file tests are possible with new ipptool
 - Mike: Also looking at a way to annotate test files to "document" the parameters that are needed/supported by a test file so that we can display these in the IPP Everywhere tool
- 3. Pending IPP WG documents:
 - IPP/2.x Fourth Edition (BASE)
 - https://ftp.pwq.org/pub/pwq/ipp/wd/wd-ippbase23-20240807-rev.pdf
 - Table 2: Make Close-Job conditionally required and add a note (required if Create-Job is supported)
 - Action: Mike to file errata for 5100.7 to make Close-Job CONDITIONALLY REQUIRED
 - Table 4:
 - Add finishings, finishings-col as C. REQUIRED
 - Add media-col as RECOMMENDED/REQUIRED (check

original IPP/2.x for conformance of IPP/2.0)

- Table 5:
 - Add finishings attributes as C. REQUIRED
 - Add media-col-xxx as RECOMMENDED/REQUIRED
 - Fix "pages-per-minutes-color" should be "pages-per-minutecolor"
 - Add "printer-name", make sure printer-name content is in a sub-section
 - Remove printer-alert-xxx (Printer Status)
- Not ready for IPP WG last call
 - Mike will post an updated draft with a call for additional review PWG 5100.12 covers all IPP extensions from 5100.1 through 5100.11 and 5101.1, look for conformance changes, missing attributes/values, etc.
- IPP Wi-Fi Configuration Extensions v1.0 (WIFI)
 - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippwifi10-20240807-rev.pdf
 - Ready for IPP WG last call
 - Action: Mike to start IPP WG last call of WIFI, ending September 12th
- 4. Smith: Conformance issue that cam up with an older HP printer
 - Wrote a tool in Ruby to generate ipptool tests from the IANA IPP registry
 - Smith had shared with Mike, who noted that the current IPP registry maintenance tools are in C
 - Mike: Technically possible to adapt current ippregistry code to spit out simple ipptool test files, would be harder to cover semantics/special cases
 - Smith: Thinking more for simple syntax checks than exhaustive value/semantic tests.
 - Action: Smith to file enhancement request against the ippregistry project for ipptool test generator
- 5. Review IPP Firmware Update Extensions v1.0 (FWUPDATE)
 - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippfwupdate-20240826.pdf
 - Swap New Attributes and New Operations sections (operations first)
 - Section 1:
 - Add "registration" after IPP Firmware Update Extensions v1.0
 - Section 2.x:
 - Add terminology for Firmware from PWG 5110.1 (HCD Attributes), substituting Printer for Output Device
 - Note for IPP System Service v1.1
 - Add Firmware as defined term from PWG 5110.1
 - Section 3.1:
 - Add "registration" after IPP Firmware Update Extensions v1.0
 - Clean up list of things being added, use boilerplate for IANA registry stuff
 - Section 3.2.1: "Client Discovers Available Firmware Update"
 - Section 3.2.2: "Client Schedules Firmware Update"
 - Section 3.2.3 should be under 3.3 (side effect of doing an update)
 - Section 3.3.x: "Successful/Unsuccessful Firmware Update"

- Section 3.4: "in order to receive AND/OR INSTALL a firmware update"
- Section 4:
 - Reword introduction, autonomous updates description, etc.
 - Figures 1 and 2: Manufacturer/Site Firmware Repository
 - Figure 1 method is out of scope for this registration, but the issue is that there is no standard for getting firmware updates for a given printer
 - Add a section on querying update availability/status
 - Figure 1: Client-managed updates
 - Figure 2: Autonomous updates
 - Figure 3: Trigger/Schedule firmware update from client
 - Figure 4: Query firmware update status/availability
- Global: Firmware defined term.
- Firmware update operation should have an operation attribute modeled on job-hold-until
- Stopped before section 5

Next Steps / Open Actions

- Next conference calls on September 12 and 26, 2024 at 3pm
- Start WG last calls of IPP WIFI and BASE (at next concall after new stable drafts are posted)
- Talk about more "Strong Device Identity" at future (soon) concall, determine requirements/use cases
- Action: Mike to work with Smith to ensure PNG and .strings file tests are possible with new ipptool
- Action: Mike to file errata for 5100.7 to make Close-Job CONDITIONALLY REQUIRED
- Action: Mike to start IPP WG last call of WIFI, ending September 12th
- Action: Smith to file enhancement request against the ippregistry project for ipptool test generator
- Action: Mike to update the IPP How-To Guide and post to IPP list for discussion (PENDING)
- Action: Paul to review existing 3D use cases and identify any gaps (PENDING)
- Action: Mike to update IPP Everywhere 2.0 test files (PENDING started work on it)